KENWOOD

Remote Control Instruction Manual

Remote Control Instruction Manual
Preset Remote Control Quick Start Guide
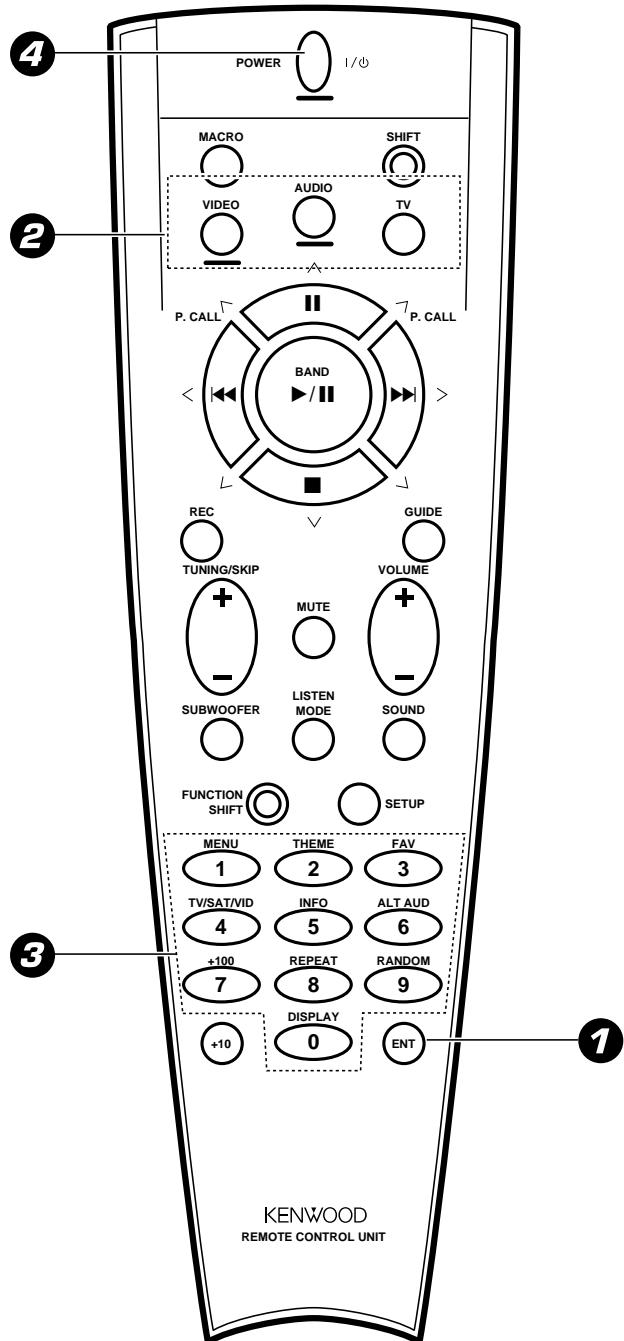
This quick start guide explains how to setup the remote control to operate audio and video components other than the receiver.
In order to make full use of the functions of the remote control, be sure to read the section of this manual entitled "Getting the most from your remote control". It contains a detailed explanation of how to operate the remote control and make the necessary settings.
The quick start guide describes the operation of the following keys:

❶ ENT key
Gets you into and out of the preset code registration mode.

❷ VIDEO, AUDIO, and TV keys
Use these keys to select the input you want to register.

❸ Numeric keys
In the preset code registration mode, you use these keys to enter the code numbers that let you control your components.

❹ POWER key
Once you have entered the setup code for another component, you can press this key to turn power to that component on or off. This lets you confirm that you entered the code properly.

This instruction manual is for some models.
Model availability and features (functions) may differ depending on the country and sales area.

Remote Control

2

Register the setup codes for your audio and video components

Step 1

Look up the setup code for the component you want to control. **RC–📖**

Write down **all** the applicable setup codes. (This step is very important.)

Step 2

Hold down **ENT** key until the backlight flashes twice (about three seconds).

For step 2 through step 8, make sure you start the next step within five seconds of completing the previous one. If more than five seconds elapses between any two steps, you will need to go back and start over from step 2.

Step 3
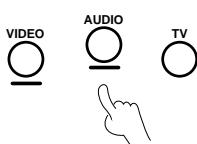
VIDEO AUDIO TV

Press the **VIDEO**, **AUDIO**, or **TV** key to select the input you want to register. (Each press of the key advances you one by one through the available input settings.) The current input setting appears on the display of the receiver.

Step 4

MENU	THEME	FAV
1	2	3
TV/SAT/VID	INFO	ALT AUD
4	5	6
+100	REPEAT	RANDOM
7	8	9
	DISPLAY	
	0	
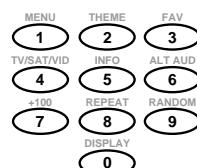
Use the numeric keys to enter the 4-digit setup code for the component.

Step 5
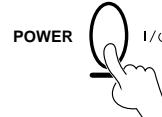
POWER I/⏻

Press the **POWER** key to see if you can turn the component on and off. (If the component you want to control has a mechanical power key that cannot be operated by remote control, press the **PLAY** key or the **TUNING/SKIP** key to test it.)

If the component does not respond when you try to control it, return to step 4 and enter the next setup code on the list. Repeat this procedure until you find the code that matches the component.

Step 6

Press the **ENT** key to store the code.

Step 7

Repeat steps **3** though **6** to enter the codes for each component you want to control.

Step 8

Once you have finished registering setup codes for all of the inputs, hold down **ENT** key until the backlight flashes twice (about three seconds).
This exists the registration mode.

If you accidentally exit the registration mode by pressing the wrong key, you will not lose any setup codes you have already saved.

Automatic input naming

In the initial factory setting, the remote control already has provisional component names registered for each input. Before you register setup codes, pressing the input keys of the remote control causes the display to change from the factory preset input names of the receiver (VIDEO1, VIDEO2, etc.) to the input names registered in the remote control (VCR1, VCR2, etc.). Once you have registered the appropriate setup codes for your components, pressing the input keys of the remote control causes the display to change to the actually connected component names (LD, DVD, etc.) for which you have registered setup codes.

Remote Control

Getting the most from your remote control

The remote control supplied with this receiver is also capable of controlling components from a variety of manufacturers once you register the appropriate setup codes into the remote control unit.
Refer to "Remote operation of other components" for details about the operations available for each component.

Low battery warning

Replace all four batteries with new ones when you notice a shortening of the distance from which the remote control will operate or if the remote control blinks 5 times when you press a key. The remote control is designed to retain setup codes in memory while you change batteries.

Registering setup codes for other components

POWER

VIDEO, AUDIO, TV

1-0

ENT
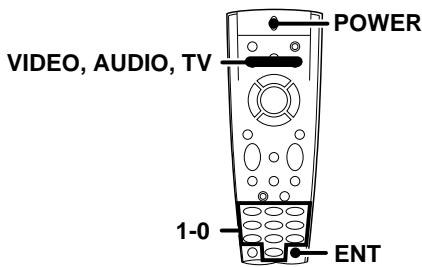
1 Find the setup code of the component to be registered.

- Refer to the setup code lists to find the setup code for the component to be registered. **RC–📖**
  Example: To register a CD made by KENWOOD, you would enter "8028".
- When registering setup codes for KENWOOD audio components which are connected to this unit by system control cords, use the following codes to insure proper system control operation:
  Cassette: 7000, CD: 8099, MD: 9000.

Input	Component	Maker	Code	Key
(CD)	CD player	KENWOOD	8028, 8037	AUDIO
	TV 1			
	TV 2			
	CABLE			

### 2 Hold down the ENT key until the backlight flashes twice.

- At this time all inputs become available regardless of any earlier registration.

For step 2 through step 8, make sure you start the next step within five seconds of completing the previous one. If more than five seconds elapses between any two steps, you will need to go back and start over from step 2.

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3 Press the VIDEO, AUDIO, or TV key repeatedly to select the desired component.

VIDEO key	AUDIO key	TV key
➊VIDEO1 (VCR1)	➊CD (CD)	➊TV1
➋VIDEO2 (VCR2)	➋TAPE or MD	➋TV2
➌VIDEO3 (DVD)	(TAPE)	➌CABLE
or DVD 6ch	➌PHONO	

- Example : To register the component connected to the VIDEO 1 jacks, select "**VIDEO 1** (VCR1)".
- On models other than the KRF-V8010D, "**DVD 6ch**" is displayed instead of "**VIDEO 3**". It is possible to enter a setup code for the DVD 6ch input, but the display indication will remain "**DVD 6ch**". It is not possible to change the name of this input.

SP📶🅰 ⌇⌇R/SW VCR1
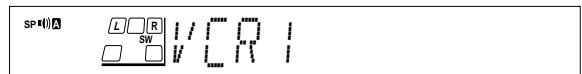
4 Use the numeric keys to enter the setup code.

- Example: Press "5258" to register a LD player made by KENWOOD.
- The backlight flashes once each time a number is entered.
- If an invalid setup code is entered the remote will output one long blink, disregard that code and return to the beginning of step 4.
- If you push an invalid key, the remote will exit the setup mode.

5 Press the POWER key, and check to see that the component you want to control turns on.

If the component does not react, and there is more than one setup code, enter another setup code and try again.

- **PLAY**, **TUNING/SKIP** (+/–) or **MULTI CONTROL** key can also be used instead of **POWER** key.
- If the component is already on, pressing **POWER** key will turn it off.

6 Press the ENT key to store the code you have just input.

- The backlight flashes twice.

- This code replaces any previous setup codes entered for the respective component.

7 Repeat steps 3 to 6 to register additional components until all components have been registered.

- If you have components that are not remote controllable, like a record player (etc.), you will need to register a Non-IR code at the respective input. This keeps the respective input in the remote control's cyclic list so you can select it using the remote control. Please consult the owner's manual of the components you are connecting for information regarding remote controllability. The list of Non-IR codes is included at the beginning of the Setup code chart.

4

8 Once setup codes have been entered for all components, hold down the ENT key until the backlight flashes twice.

• Once registered, the display on the receiver shows the component type instead of the default input name.
Example: if you register a VCR at the VIDEO 1 jacks, "**VCR**" appears instead of "**VIDEO 1** (VCR1)".

• After initial setup, any VIDEO or TV (TV1, TV2, CABLE) inputs that have not been programmed with a setup code or Non-IR code are deleted from the cyclic list. The PHONO input will be deleted if a Non-IR code was not registered.

• The **INPUT SELECTOR** on the front panel of the receiver always cycles through all inputs.

Note

Although each setup code is designed to work with a number of different models, certain codes may not work with some models. (Also, certain codes may only operate some of the functions available on a given model.)

Operating other components

This operation lets you operate the registered components.
KENWOOD audio components with system control turn on and off automatically with the receiver via the system control connections.

POWER — SHIFT
VIDEO, AUDIO, TV

1 Use the VIDEO, AUDIO, or TV keys to select the component you desire.

• Pressing the **VIDEO** or **AUDIO** key also changes the input selector on the receiver. If you do not want to change the current input, press the **SHIFT** key before step **1**.　　　　　**RC→⑤**

VIDEO key
➡ ❶ VIDEO1 (VCR 1)
❷ VIDEO2 (VCR 2)
❸ VIDEO3 (DVD)
or DVD 6ch
⤷ ❹ Not used by this remote control.
(<--->)

AUDIO key
➡ ❶ CD (CD)
❷ TAPE or MD (TAPE)
❸ TUNER
❹ PHONO

TV key
➡ ❶ TV1
❷ TV2
⤷ ❸ CABLE

2 Press the SHIFT key and then press the POWER key (within 3 seconds).

• Pressing the **SHIFT** key is only required when turning the selected component on or off. Pressing the **POWER** key directy turns the receiver on and off.

3 Press the operation keys you desire.

• See "Remote operation of other components" at the end of this manual for a list of keys available with each component.
　　　　　RC→⑭

The remote control mode remains in the set at the component selected in step 1 mode until you select another component (etc.).

Note

Be sure to point the remote control at the remote sensor on the receiver when you want to operate KENWOOD components connected by system control cords. Otherwise, point the remote control at the component you want to operate.

Changing (confirming) the operation mode

This operation lets you change the remote control operation mode without changing the input selector.

You may find this useful when you want to control one component while using another. (For example, if you want to rewind the tape deck while listening to a CD.)

This operation is also useful if you don't know the which mode the remote control is set to. Executing this operation allows you to change or reconfirm the operation mode you desire.

VIDEO, AUDIO, TV — **SHIFT**
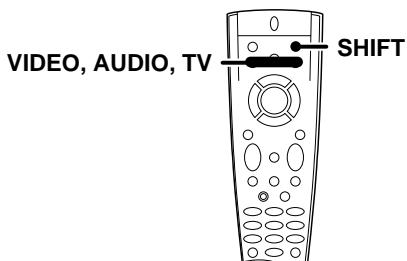
1 Press the SHIFT key.

• To operate a TV, start from step **2**.

Go to step **2** within 3 seconds.

2 Press the VIDEO, AUDIO or TV key repeatedly to display the remote control mode for the component you want to control.

SP ◀))) Ⓐ L R SW (C D)
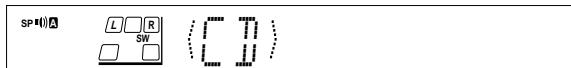
The component to be controlled is displayed in parenthesis

• Pressing any other keys after the **SHIFT** key cancels the shift function and sends the normal code associated with the respective key.
• The input selector does not change during this operation.
• If you press **VIDEO** or **AUDIO** key more than 3 seconds after pressing the **SHIFT** key, the input selector changes together with the operation mode.

3 Execute the desired operations.

• See "Remote operation of other components" for a list of keys available with each component. **RC→** 14

The operation mode remains set at the component specified in step **2**.

To return control to the original component, press SHIFT and then press the VIDEO or AUDIO key to return to the original control mode.

Preparing for automatic operations (MACRO play)

The macro play function allows you to set the remote to control several components in succession. After completing this setup, you can perform a series of operations automatically. Enter the setup codes for the components you want to control beforehand.

VIDEO, AUDIO, TV — **MACRO**
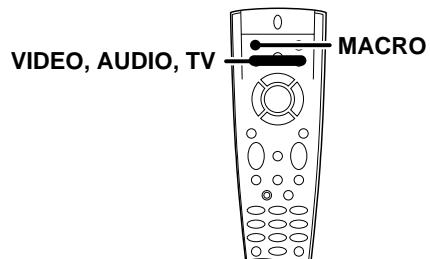
1 Make a plan of the macro play you want to Setup.

The order of the operations may be fairly complex and you may not be remember all of the necessary commands during the setup procedure.

Use the space provided below to write down the operations in the order you are going to enter them.

❶		⓫	
❷		⓬	
❸		⓭	
❹		⓮	
❺		⓯	
❻		⓰	
❼		⓱	
❽		⓲	
❾		⓳	
❿		⓴	

• Up to 20 steps can be memorized for each macro.
• The example below shows the plan for step **4** (which occupies a total of 9 steps) :

1	TV + SHIFT + POWER	3 steps
2	FUNCTION SHIFT + 4	2 steps
3	VIDEO + VIDEO	2 steps
4	SHIFT + POWER	2 steps
	Total	9 steps

• If you attempt to store more than 20 steps, the remote will output one long blink and exit the macro programming mode.
• Enter channel numbers (for the monitor TV, etc.) exactly as you would using the original remote.

2 Press and hold the MACRO key until the backlight flashes twice.

Perform each of the following steps within 5 seconds.

3 Press the VIDEO, AUDIO, or TV key to select the macro location. (MACRO1, 2, and 3 respectively)

• You can store up to 3 different macros, one at each key:
VIDEO → "MACRO 1", AUDIO → "MACRO 2", TV → "MACRO 3"
• The backlight flashes once when you select the macro location.
• Pressing a key other than **VIDEO**, **AUDIO**, or **TV** cancels the macro program mode.

When VIDEO is pressed

SP ◀))) Ⓐ L R SW MACRO 1

6

4 Press the keys to be operated in order.

EXAMPLE:

This example shows you how to create a macro that; turns on the TV, sets the TV to the appropriate input, selects the receiver's input selector to LD, and turns on the LD player. All you have to do is insert the laser disc!

➊ **Press TV > SHIFT > POWER to turn on the TV.**

➋ **Press FUNCTION SHIFT > "4" (TV / SAT. / VIDEO) to set the TV to the appropriate video input.**

➌ **Press VIDEO twice to select the LD player registered at VIDEO 2.**

➍ **Press SHIFT and POWER to turn on the LD player.**

• In order to allow verification of the remote control mode, the name of the selected input appears in the receiver's display when the **VIDEO**, **AUDIO** or **TV** key is pressed. When the **VIDEO** or **AUDIO** key is pressed the receiver's input also changes.

5 Press the MACRO key so that the backlight flashes twice.

• The macro is stored at the locations specified in step **3**. If another macro was previously stored at the same location, it is erased. **Repeat steps 1 through 5 to program up to 3 macros.**

This completes the macro programming procedure.

Executing an automatic operation

VIDEO, AUDIO, TV — — MACRO
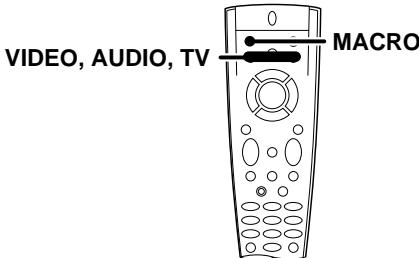
1 Press the MACRO key.

Go to step **2** within 3 seconds.

2 Press the VIDEO, AUDIO or TV key to execute the corresponding macro play.

• "MACRO" appears in the front panel and the pre-programmed macro is performed:
  VIDEO → "MACRO 1", AUDIO → "MACRO 2", TV → "MACRO 3"
• Some devices take up to 1 second to power on. The macro function has an automatic delay after any power function output.
• Pressing a key other than **AUDIO**, **VIDEO**, or **TV** cancels the macro program mode.

When VIDEO is pressed
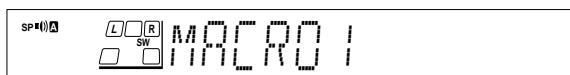
Setup code correlation

VIDEO, AUDIO, TV

1-0

ENT
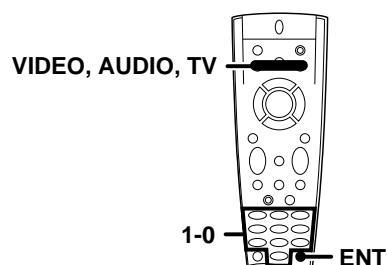
Deleting a setup code

Perform each step within 5 seconds.

➊ **Hold down the ENT key until the backlight flashes twice.**
  • At this time all inputs become available regardless of any earlier registration.

➋ **Select the component to be deleted.**
  Press the VIDEO, AUDIO, or TV key repeatedly to select the desired component.
  • Example 1 : To delete the registration of the component connected to the VIDEO 1 jacks, select "**VIDEO 1**".

➌ **Enter the 3 digit code "991".**

➍ **Hold down the ENT key until the backlight flashes twice.**
  • To resume all of the factory settings, proceed step ➊, then enter "**981**".

Checking a setup code

Perform each step within 5 seconds.

➊ **Hold down the ENT key until the backlight flashes twice.**

➋ **Select the component with setup code you want to check.**
  Press the VIDEO, AUDIO, or TV key repeatedly to select the desired component.

➌ **Enter the 3 digit code "990".**
  • The backlight flashes twice immediately after the "0" is input to confirm input.

➍ **Press the 1 key and count the number of times the backlight blinks. This is the first number of the 4 digit setup code.**

  • If the backlight does not blink, the first digit in the setup code is 0.

➎ **Press the 2 key and count the number of times the backlight blinks. This is the second number of the 4 digit setup code.**

  • If the backlight does not blink, the second digit in the setup code is 0.

➏ **Press the 3 key and count the number of times the backlight blinks. This is the third number of the 4 digit setup code.**

  • If the backlight does not blink, the third digit in the setup code is 0.

➐ **Press the 4 key and count the number of times the backlight blinks. This is the fourth number of the 4 digit setup code.**

  • If the backlight does not blink, the fourth digit in the setup code is 0.

Setup code chart

Non-IR codes

CD player	8900
Cassette deck	7900
LD player	5900
Phono	0900

Satellite	2900
TV	1900
VCR	4900

DVD	6900
MD	9900

VCR Setup codes

Maker	Setup codes
Aiwa	4000
Akai	4041, 4106, 4315
Akiba	4072
Alba	4020, 4072, 4209, 4278, 4315
Ambassador	4020
Amstrad	4000, 4278
Anitech	4072
ASA	4037, 4081
Asuka	4037
Baird	4000, 4041, 4104
Basic Line	4020, 4072, 4278
Blaupunkt	4006, 4034, 4162, 4195, 4226, 4227
Brandt	4187, 4321
Brandt Electronic	4041
Bush	4072, 4209, 4278
Catron	4020
CGE	4000
Cimline	4072
Clatronic	4020
Condor	4020
Crown	4020, 4072, 4278
Daewoo	4020, 4278
Dansai	4072
De Graaf	4042, 4166
Decca	4000, 4081
Dual	4041
Dumont	4000, 4081, 4104
Elcatech	4072
ESC	4240, 4278
Ferguson	4041, 4321
Fidelity	4000
Finlandia	4081, 4104
Finlux	4000, 4042, 4081, 4104
Firstline	4037, 4043, 4045, 4072, 4209
Fisher	4046, 4104
Frontech	4020
Funai	4000
GEC	4081
General	4020
GoldHand	4072
GoldStar	4037, 4225
Goodmans	4000, 4020, 4037, 4072, 4278
Graetz	4041, 4104, 4240
Granada	4046, 4081, 4104
Grandin	4000, 4037, 4072

Maker	Setup codes
Grundig	4006, 4007, 4072, 4081, 4195, 4207, 4226, 4347
Hanseatic	4037
HCM	4072
Hinari	4004, 4072, 4240
Hitachi	4000, 4004, 4041, 4042, 4166, 4240
Hypson	4072
Imperial	4000
Ingersol	4004
Interfunk	4081
ITT	4041, 4046, 4104, 4106, 4240
ITV	4037, 4278
JVC	4041, 4067, 4207
Kaisui	4072
Kendo	4106, 4209
Kenwood	4041
Korpel	4072
Lenco	4278
Leyco	4072
Loewe	4004, 4006, 4037, 4081
Logik	4004, 4240
Luxor	4043, 4046, 4048, 4104, 4106
M Electronic	4000
Manesth	4045, 4072
Marantz	4006, 4081
Matsui	4004, 4209
Memorex	4000, 4037, 4046, 4104
Memphis	4072
Metz	4006, 4162, 4195, 4227, 4347
Minerva	4006, 4195
Mitsubishi	4043, 4067, 4081
Multitech	4000, 4072
Murphy	4000
NEC	4041, 4067
Neckermann	4081
Nesco	4072
Nokia	4041, 4046, 4048, 4104, 4106, 4240
Nordmende	4041, 4321
Oceanic	4000, 4041
Okano	4315
Orion	4004, 4209
Osaki	4000, 4037, 4072
Otto Versand	4081

Maker	Setup codes
Palladium	4006, 4037, 4041, 4072
Panasonic	4162, 4226, 4227
Pathe Marconi	4041
Pentax	4042
Perdio	4000
Philips	4081
Phonola	4081
Pioneer	4067, 4081
Portland	4020
Profex	4322
Proline	4000
Pye	4081
Quartz	4046
Quelle	4081
Radiola	4081
Rex	4041
Roadstar	4037, 4072, 4240, 4278
Saba	4041, 4207, 4321
Saisho	4004, 4209
Salora	4043, 4046, 4106
Samsung	4240, 4432
Sansui	4041, 4067
Sanyo	4046, 4104
SBR	4081
Schaub Lorenz	4000, 4041, 4104
Schneider	4000, 4072, 4081
SEG	4240, 4322
SEI	4004, 4081
Seleco	4041
Sentra	4020
Sharp	4048
Shintom	4072, 4104
Shorai	4004
Siemens	4006, 4037, 4081, 4104, 4195
Silva	4037
Singer	4045
Sinudyne	4004, 4081
Solavox	4020
Sontec	4037
Sony	4032, 4033, 4034
Sunstar	4000
Suntronic	4000
Tashiko	4000
Tatung	4000, 4041, 4081
Tec	4020
Technics	4162, 4226

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VCR Setup codes (continued)

Maker	Setup codes
Teleavia	4041
Telefunken	4041, 4187, 4321
Tenosal	4072
Tensai	4000, 4322
Thomson	4041

Maker	Setup codes
Thorn	4041, 4104
Toshiba	4041, 4043, 4045, 4081
Towada	4322
Uher	4240

Maker	Setup codes
Universum	4000, 4006, 4037, 4081, 4106, 4195, 4240
Yamishi	4072
Yokan	4072
Yoko	4020, 4240

TV Setup codes

Maker	Setup codes
Acura	1009
Admiral	1163
Adyson	1217
Akai	1208, 1361
Akura	1218, 1264
Alba	1009, 1037, 1218, 1371
Allorgan	1294
Amplivision	1217
Amstrad	1009, 1371
Anitech	1009
Arcam	1216, 1217
Asuka	1218
Atlantic	1206
Audiosonic	1037, 1109
Autovox	1206
Baird	1343
Barco	1410, 1479
Basic Line	1009, 1218
Baur	1010, 1037, 1349, 1361, 1512
Beko	1370
Beon	1037
Binatone	1217
Blaupunkt	1191, 1195, 1200, 1327, 1328
Blue Sky	1218
Blue Star	1282
Bondstec	1247
Boots	1217
BPL	1282
Brandt	1109, 1335
Britannia	1216
BSR	1294
BTC	1218
Bush	1009, 1037, 1218, 1282, 1294, 1349, 1371, 1374, 1519
Cascade	1009
Cathay	1037
Centurion	1037
CGE	1247
Cimline	1009
Clarivox	1037
Clatronic	1247, 1370
Condor	1320, 1370
Contec	1009, 1216
Crown	1009, 1037, 1370

Maker	Setup codes
CS Electronics	1216
CTC	1247
Cybertron	1218
Daewoo	1009, 1037, 1374
Dainichi	1218
Dansai	1037
Dayton	1009
De Graaf	1208
Decca	1037, 1072
Dixi	1009, 1037
Dual	1519
Dual Tec	1217
Dumont	1070
Elin	1037
Elite	1218, 1320
Elta	1009
Emerson	1361
Erres	1037
Expert	1206
Ferguson	1037, 1109, 1238, 1287, 1335, 1343
Fidelity	1216, 1361
Finlandia	1208, 1359
Finlux	1037, 1070, 1072
Firstline	1009, 1216, 1217, 1247, 1294, 1321
Fisher	1208, 1217, 1370
Formenti	1037, 1320
Frontech	1163, 1247, 1264
Fujitsu	1072, 1206
Funai	1264, 1294
GEC	1037, 1072, 1217
Geloso	1009
Genexxa	1163, 1218
GoldStar	1037, 1109, 1217
Goodmans	1037, 1072, 1217, 1317, 1343, 1371, 1374
Gorenje	1370
GPM	1218
Graetz	1163, 1361
Granada	1037, 1072, 1208, 1217, 1359
Grandin	1282
Grundig	1070, 1191, 1195
Hanseatic	1037, 1320, 1361
HCM	1009, 1282
Hinari	1009, 1037, 1218

Maker	Setup codes
Hisawa	1282
Hitachi	1109, 1163, 1217, 1225, 1349
Huanyu	1216, 1374
Hypson	1037, 1264, 1282
ICE	1217, 1264, 1371
ICeS	1218
Imperial	1247, 1370
Indiana	1037
Ingelen	1163
Inno Hit	1072
Interfunk	1037, 1163, 1247, 1361, 1512
Intervision	1037, 1102, 1217, 1264
Isukai	1218
ITS	1371
ITT	1163, 1361
JVC	1053, 1094, 1371
Kaisui	1009, 1216, 1217, 1218, 1282
Kapsch	1163, 1206
Kendo	1037
Kenwood	1313
Kingsley	1216
Korpel	1037
Koyoda	1009
Leyco	1037, 1072, 1264, 1294
Liesenk & Tter	1037
Loewe	1075, 1289, 1512
Luma	1206
Luxor	1349, 1361
M Electronic	1009, 1037, 1109, 1163, 1217, 1287, 1374
Magnadyne	1102, 1247
Magnafon	1102
Manesth	1217, 1264, 1320
Marantz	1037
Mark	1037
Matsui	1009, 1011, 1035, 1037, 1072, 1208, 1217, 1294, 1371
Mediator	1037
Memorex	1009
Minerva	1070
Mitsubishi	1108, 1512
Mivar	1216, 1313

TV Setup codes (continued)

Maker	Setup codes
MTC	1349, 1512
Multitech	1009, 1102, 1216
Neckermann	1037, 1191, 1349
NEI	1037
Nikkai	1035, 1037, 1072, 1216, 1218, 1264
Nobliko	1102
Nokia	1361
Nordmende	1109, 1287, 1343
Oceanic	1163, 1361
Orion	1037, 1294, 1320, 1321
Osaki	1072, 1217, 1218, 1264
Oso	1218
Osume	1072, 1157
Otake	1317
Otto Versand	1010, 1037, 1191, 1217, 1320, 1343, 1349, 1512
Palladium	1370
Panama	1217, 1264
Panasonic	1126, 1163, 1226, 1250
Pathe Cinema	1216, 1238, 1320
Pausa	1009
Perdio	1320
Philco	1247
Philips	1037, 1374
Phonola	1037
Pioneer	1109, 1163, 1287
Profex	1009, 1361
Proline	1321
Protech	1009, 1037, 1102, 1217, 1247, 1264
Quelle	1010, 1011, 1037, 1070, 1200, 1327, 1328, 1361, 1512
R-Line	1037
Radiola	1037
RBM	1070

Maker	Setup codes
Rediffusion	1361
Revox	1037
Rex	1163, 1206, 1264
Roadstar	1009, 1218, 1264
Saba	1075, 1109, 1163, 1287, 1335, 1343
Saccs	1238
Saisho	1009, 1011, 1264
Salora	1163, 1349, 1359, 1361
Sambers	1102
Samsung	1009, 1037, 1090, 1217, 1264, 1370
Sandra	1216
Sanyo	1011, 1072, 1157, 1208
SBR	1037
Schaub Lorenz	1361
Schneider	1037, 1218, 1247, 1371, 1394
SEG	1217, 1264
SEI	1102, 1294
Sei-Sinudyne	1010
Seleco	1163, 1206
Sentra	1035
Sharp	1093, 1491
Shorai	1294
Siarem	1102
Siemens	1037, 1157, 1191, 1195, 1200, 1327, 1328
Sinudyne	1102, 1294
Solavox	1163
Sonitron	1208
Sonoko	1009, 1037
Sonolor	1163, 1208
Sontec	1037
Sony	1010, 1011
Soundwave	1037
Standard	1009, 1217, 1218

Maker	Setup codes
Stern	1163, 1206
Sunkai	1294, 1321
Susumu	1218
Sysline	1037
Tandy	1072, 1163, 1217, 1218
Tashiko	1217, 1359
Tatung	1037, 1072, 1217
Tec	1217, 1247
Technema	1320
Technics	1250
Teleavia	1343
Telefunken	1109, 1335, 1343
Telemeister	1320
Teletech	1009
Teleton	1206, 1217, 1349
Tensai	1218, 1294, 1317, 1320
Texet	1216, 1218
Thomson	1109, 1287, 1343, 1349
Thorn	1035, 1037, 1072, 1361, 1512
Thorn-Ferguson	1343
Tomashi	1282
Toshiba	1035, 1070
Uher	1206, 1320
Ultravox	1102
Universum	1037, 1264, 1370
Vestel	1037
Videosat	1247
Videotechnic	1217
Vision	1320
Voxson	1163
Waltham	1217
Watson	1037, 1320
Watt Radio	1102
White Westinghouse	1037, 1216, 1320
Yoko	1037, 1217, 1264
Zanussi	1206

Satellite Setup codes

Maker	Setup codes
Akai	2515
Alba	2362, 2421, 2455, 2515
Aldes	2288
Amstrad	2080, 2252, 2345, 2461
Ankaro	2220, 2288, 2369
Anttron	2183, 2421
Armstrong	2243
AST	2351
Astra	2108
Astro	2173

Maker	Setup codes
Avalon	2396
Axis	2369
Best	2369
Blaupunkt	2173
Boca	2243, 2513
BT	2515
Bush	2067
Cambridge	2344, 2515
Channel Master	2362
Commlink	2288
Connexions	2396
Conrad	2607

Maker	Setup codes
Crown	2243
Cyrus	2200
DDC	2362
DNT	2200, 2396
Echostar	2396
Emanon	2421
Ferguson	2067, 2183, 2336
Fidelity	2252
Finlux	2108, 2344, 2455
Freecom	2421
Fuba	2369, 2396, 2421
G-Sat	2183

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Satellite Setup codes (continued)

Maker	Setup codes
Galaxis	2288
Gooding	2571
Grundig	2173, 2571, 2750
Hinari	2183
Hirschmann	2173, 2573
Hitachi	2455
Huth	2220, 2243, 2288
Intervision	2592
ITT	2108
JVC	2515, 2571
Kathrein	2092, 2173, 2200, 2442, 2504, 2622, 2658
Kreiselmeyer	2173
Kyostar	2421
La Sat	2513, 2607
Lenco	2421
Lennox	2592
Lupus	2369
Luxor	2108, 2573
Manhattan	2455, 2592
Marantz	2200
Maspro	2092, 2336, 2750
Matsui	2344, 2571

Maker	Setup codes
Mediamarkt	2243
Minerva	2571
Morgan's	2243, 2513
Newhaus	2220
Nikko	2360
Nokia	2108, 2455, 2573
Nordmende	2362
Orbitech	2501
Oxford	2344
Pace	2067, 2183, 2336, 2455, 2791
Palladium	2571
Palsat	2501
Panda	2455
Philips	2200, 2292, 2455, 2571, 2750
Phonotrend	2288, 2592
Promax	2455
Prosat	2288
Quadral	2362, 2628
Radiola	2200
Radix	2396
RFT	2200, 2220, 2288
Saba	2336

Maker	Setup codes
Sabre	2455
Salora	2108
SAT	2351, 2461
Satec	2183
SatPartner	2421
Schwaiger	2183, 2504
Seemann	2396
SEG	2369, 2421
Siemens	2173
Skymaster	2288, 2628
Sunstar	2513
Tantec	2336, 2455
TechniSat	2262, 2501
Telefunken	2421
Teleka	2243
Thomson	2455
Triad	2351
Universum	2173, 2571
Ventana	2200
Vortec	2421
Vtech	2351
Wisi	2173, 2351, 2372, 2396, 2455, 2638

LD player Setup codes

Maker	Setup codes
Kenwood	5258
Marantz	5064, 5194
Philips	5064, 5194, 5388

Maker	Setup codes
Pioneer	5059
Radiola	5388
Salora	5064

Maker	Setup codes
Sony	5193, 5201
Telefunken	5059

CD player Setup codes

Maker	Setup codes
Akai	8156
Alba	8288, 8603, 8615
Amstrad	8603
Arcam	8157
AudioTon	8157
Bush	8615
California Audio Lab	8029
Condor	8134
Cyrus	8157
Denon	8003, 8034
Fisher	8048
Grundig	8157
JVC	8072
Kenwood	8028, 8190, 8523, 8692

Maker	Setup codes
Linn	8157
Luxman	8589, 8778
Marantz	8029, 8157
Matsui	8157, 8288
MCS	8029
Memorex	8032
Meridian	8157
Micromega	8157
Mitsubishi	8156
NAD	8000
Naim	8157
Onkyo	8101
Panasonic	8029, 8303, 8367
Philips	8157
Pioneer	8032

Maker	Setup codes
Quad	8157
Quasar	8029
Radiotone	8615
Revox	8157
Rotel	8157
Schneider	8134, 8615
Sharp	8037
Sony	8000
Technics	8029, 8303
Toshiba	8481, 8692
Universum	8157
Watson	8615
Yamaha	8036, 8187

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Cassete deck Setup codes

Maker	Setup codes
Grundig	7029
Kenwood	7071, 7092, 7183, 7205, 7233, 7234
Marantz	7029
Memorex	7099

Maker	Setup codes
Onkyo	7135, 7136
Panasonic	7229
Philips	7029
Pioneer	7027, 7099
Revox	7029

Maker	Setup codes
Sharp	7205
Sony	7170, 7243
Technics	7229
Yamaha	7205

Cable Setup codes

Maker	Setup codes
British Telecom	0105
Decsat	0423
Jerrold	0003, 0276

Maker	Setup codes
PVP Stereo Visual Matrix	0003
Scientific Atlanta	0008, 0277

Maker	Setup codes
United Cable	0003
Westminster	0105

DAT deck Setup codes

Maker	Setup codes
Grundig	7158
Kenwood	7216, 7252

Maker	Setup codes
Marantz	7158
Philips	7158

Maker	Setup codes
Sony	7093
Technics	7158

MD deck Setup codes

Maker	Setup codes
Kenwood	9826
Sony	9000, 9490

DVD deck Setup codes

Maker	Setup codes
Kenwood	6534
Panasonic	6490

Maker	Setup codes
Philips	6539
Toshiba	6503

Misc. audio Setup codes

Maker	Setup codes
Jerrold	8459, 8520
Scientific Atlanta	8460
Starcom	8459

In case of difficulty

Remote control unit

Symptom	Cause	Remedy
The backlight flashes five times during normal operation.	• The batteries are nearing exhaustion.	• Replace with new batteries to preserve the currently registered setup information.
Subwoofer volume cannot be adjusted.	• Subwoofer is OFF.	• Turn the subwoofer ON.
Certain inputs cannot be selected using the remote control.	• No Setup codes registered at for the respective input(s).	• Register a Setup code or Non-IR code at the respective input(s).　　　　　**RC–③**
Remote control operation is not possible.	• The remote control is set to a different operation mode. • Batteries are exhausted. • The remote control unit is too far away from the main system, controlling angle is too large, or there is an obstacle between the receiver and the remote. • The audio cords and system control cords are not connected properly. • No software is loaded in the source component. • An attempt is made to play a tape which is being recorded in the cassette deck. • The remote control has not been set to the operation mode for the component you wish to control. • The microprocessor of the remote control malfunctions.	• Press VIDEO, AUDIO, or TV to select the approriate operation mode. • Replace with new batteries. • Operate the remote control unit within the controllable range. • Connect properly referring to "Setting up the system". • Place software in the source component you want to play. • Wait until recording has completed. • Press the VIDEO, AUDIO, or TV key to activate the operation mode for the component you want to control before operation.　**RC–⑤** • Reset the microprocessor.　　**RC–⑥**
The "MONITOR" indicator appears when pressing the VIDEO key.	• VIDEO2/MONITOR is set to "MONITOR".	• When the "MONITOR" indicator is displayed, delete the preset code.　　　　**RC–⑥**

Remote operation of other components

Refer to the following for the type of remote control operations available for each component.
The setup code for each component must be entered beforehand. **RC→**3

❶ **Use the AUDIO, VIDEO, or TV keys to select the component you want to control.**

❷ **Press the keys corresponding to the operations you desire. Refer to the following sections for details.**

- When pressing keys in succession, press each key firmly and be sure to wait at least 1 second before pressing the next key.
- Numeric keys function the same as the numeric keys on the original remote.
- To execute a FUNCTION SHIFT command, press the **FUNCTION SHIFT** key, then press the corresponding key within 3 seconds.

Note
1. Although each setup code is designed to work with a number of different models, certain codes may not work with some models. (Also, certain codes may only operate some of the functions available on a given model.)
2. The charts below show the typical functions available for each component. Some manufacturers use different key combinations to perform similar functions. For that reason, we have programmed extra functions on some of the unused number keys to help you control your equipment. To find if your component has extra functions, press the **FUNCTION SHIFT** key, then press a number key. Repeat this procedure for each number key.

Tuner operations

TUNING/SKIP
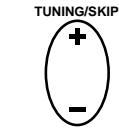
TUNING
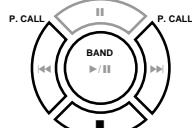
►/II **(**BAND**)**
■ **(**AUTO**)**
I◄◄ **(**P.CALL −**)**
►►I **(**P.CALL +**)**
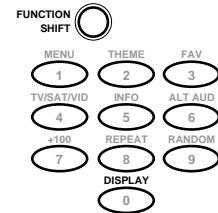
FUNCTION SHIFT commands
DISPLAY (Dimmer**)**

Cassette deck operations

TUNING/SKIP

+ (► Play**)**
− (◄ Play**)**

REC
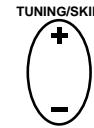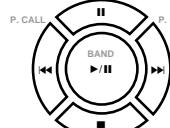
(● Record**)**

►/II **(**► Play**)**
II **(**Pause**)**
■ **(**Stop**)**
I◄◄ **(**◄◄ Rewind**)**
►►I **(**►► Fast forward**)**

CD player operations

TUNING/SKIP
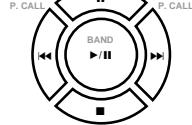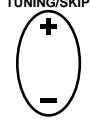
+ (Disc Skip +**)**
− (Disc Skip −**)**

►/II **(**Play/Pause {for SL16}**)**
►/II **(**► Play {for other}**)**
II **(**Pause {for other}**)**
■ **(**Stop**)**
I◄◄ **(**Skip**)**
►►I **(**Skip**)**
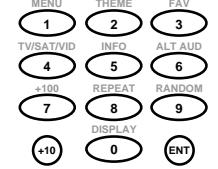
Numeric keys

FUNCTION SHIFT commands
REPEAT (Repeat**)**
RANDOM (Random**)**

MD recorder operations

TUNING/SKIP
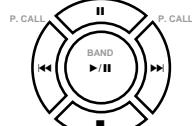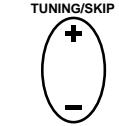
+ (►► Search**)**
− (◄◄ Search**)**

►/II **(**► Play**)**
II **(**Pause**)**
■ **(**Stop**)**
I◄◄ **(**Skip back**)**
►►I **(**Skip forward**)**
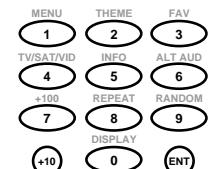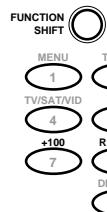
Numeric keys

FUNCTION SHIFT commands
+100 (+100**)**
REPEAT (Repeat**)**
RANDOM (Random**)**

TV operations

TUNING/SKIP
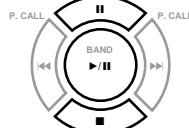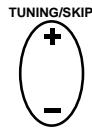
+ (Channel +**)**
– (Channel –**)**

▶/▮▮ **(**Mute**)**
▮▮ **(**Volume +**)**
■ **(**Volume –**)**

Numeric keys

FUNCTION SHIFT

MENU 1 | THEME 2 | FAV 3
TV/SAT/VID 4 | INFO 5 | ALT AUD 6
+100 7 | REPEAT 8 | RANDOM 9
DISPLAY 0
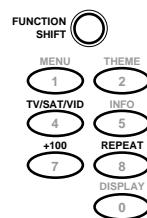
FUNCTION SHIFT commands
TV/SAT./VID (Input selector**)**
ALT AUDIO (Alternate audio**)**
+100 (TV TEXT**)**
REPEAT (Text off**)**
RANDOM (MIX**)**

VCR operations

TUNING/SKIP
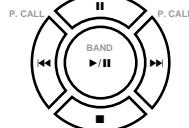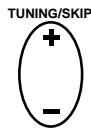
+ (Channel +**)**
– (Channel –**)**

▶/▮▮ **(▶** Play**)**
▮▮ **(**Pause**)**
■ **(**Stop**)**
I◀◀ **(◀◀** Rewind**)**
▶▶I **(▶▶** Fast forward**)**

Numeric keys

FUNCTION SHIFT commands
TV/SAT./VID (Input selector**)**

REC
(● Record**)**

GUIDE
(OSD menu**)**
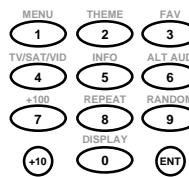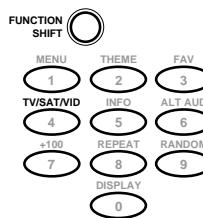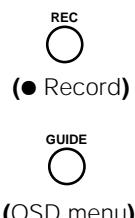
LD player operations

TUNING/SKIP

+ (A, A/B**)**
– (B**)**
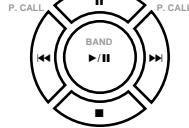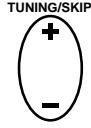
▶/▮▮ **(▶** Play**)**
▮▮ **(**Pause**)**
■ **(**Stop**)**
I◀◀ **(**Skip back**)**
▶▶I **(**Skip forward**)**
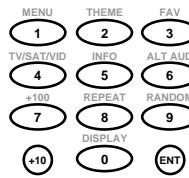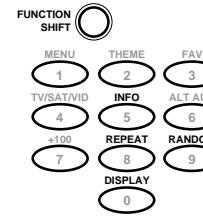
Numeric keys

FUNCTION SHIFT commands
INFO (Frame- time**)**
REPEAT (Repeat**)**
RANDOM (Random**)**
DISPLAY (Display**)**

GUIDE
(OSD menu**)**

Satellite tuner operations
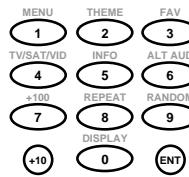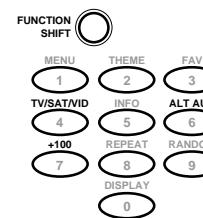
TUNING/SKIP

+ (Channel +**)**
– (Channel –**)**

▶/▮▮ **(**Select**)**
▮▮ **(↑)**
■ **(↓)**
I◀◀ **(←)**
▶▶I **(→)**

Numeric keys

FUNCTION SHIFT commands
TV/SAT./VID (Input selector**)**
ALT AUDIO (Alternate audio**)**
+100 (+100**)**

GUIDE
(OSD menu**)**

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Cable tuner operations

FUNCTION SHIFT

TUNING/SKIP

P. CALL — BAND — P. CALL

MENU 1 — THEME 2 — FAV 3
TV/SAT/VID 4 — INFO 5 — ALT AUD 6
+100 7 — REPEAT 8 — RANDOM 9
+10 — DISPLAY 0 — ENT

MENU 1 — THEME 2 — FAV 3
TV/SAT/VID 4 — INFO 5 — ALT AUD 6
+100 7 — REPEAT 8 — RANDOM 9
DISPLAY 0

GUIDE
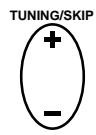
+ (Channel +**)**   ▶/Ⅱ **(**Select**)**
– (Channel –**)**   Ⅱ **(↑)**
                            ■ **(↓)**
                            Ⅰ◀◀ **(←)**
                            ▶▶Ⅰ **(→)**
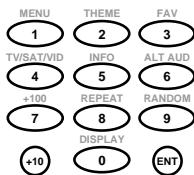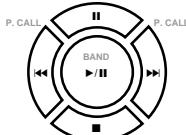
Numeric keys
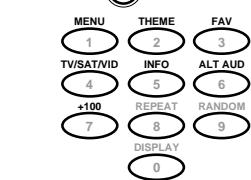
(OSD menu**)**

FUNCTION SHIFT commands
MENU (Menu**)**
THEME (Theme**)**
FAV. (Favorite**)**
TV/SAT./VID (Input selector**)**
INFO (Page**)**
ALT AUDIO (Alternate audio**)**
+100 (+100**)**

DVD player operations
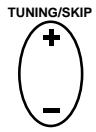
FUNCTION SHIFT

TUNING/SKIP

P. CALL — BAND — P. CALL

MENU 1 — THEME 2 — FAV 3
TV/SAT/VID 4 — INFO 5 — ALT AUD 6
+100 7 — REPEAT 8 — RANDOM 9
+10 — DISPLAY 0 — ENT

MENU 1 — THEME 2 — FAV 3
TV/SAT/VID 4 — INFO 5 — ALT AUD 6
+100 7 — REPEAT 8 — RANDOM 9
DISPLAY 0

REC

GUIDE

+ (Disc skip +**)**   ▶/Ⅱ **(▶** Play**)**
– (Disc skip –**)**   Ⅱ **(**Pause**)**
                            ■ **(**Stop**)**
                            Ⅰ◀◀ **(**Skip back**)**
                            ▶▶Ⅰ **(**Skip forward**)**
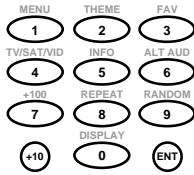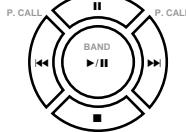
Numeric keys
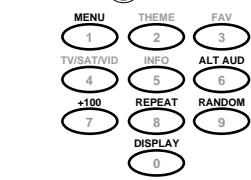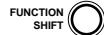
(● Record**)**

(OSD menu**)**

FUNCTION SHIFT commands
ALT AUDIO (Alternate audio**)**
+100 (+100**)**
REPEAT (Repeat**)**
RANDOM (Random**)**
DISPLAY (Display**)**

Remote Control

KENWOOD